INDEX

Abena jamaicensis, 153
Abies balsamea, 297
Abutilon abutiloides, 147; hirtum, 146, 147; indicum, 147; lignosum, 147; permolle, 147
Acacia Farnesiana, 117; Greggii, 310
Acer pennsylvanicum, 298; rubrum, 276, 277
Acidity in plant tissues, Determination of, 8, 241
Acids and alkalies on the growth of the protoplasm of pollen-tubes, The effect of, 8, 84
Achillea Ptarmica, 339
Achlya, 57; apiculata, 57
Achras Sapota, 169
Achyranthes, 95
Aconitum Napellus, 350
Acrostichum gorgoneum, 96
Actinothyrium, 70; Hopeae, 70
ADAMS, J. F., B. O. DODGE and. Some observations on the development of Peridermium Cerebrum, 7, 253
ADAMS, J. F. Origin and development of the lamellae in Schizophyllum commune, 8, 326
Adenocalymna, 155
Aecidium, 56, 98, 99; circumscriptum, 160; Cissi, 161; desmium, 113; Farameae, 163; Gossypii, 76; Nymphaearum, 106; Nymphoidis, 140; passifloriicola, 162; Pisoniae, 161; Puerariae, 56; punctatum, 119; Rivinae, 106, 142; roseum, 159; simplicius, 162; Tournefortiae, 162; tubulosum, 162
Aeschynomene americana, 112
Agalinis acuta, 274, 283; purpurea, 278
Agaricus, 326; campestris, 179, 181, 187; Frostianus, 251; vernus, 247
Agave Cantula, 69
Ageratum maritimum, 158
Agrostis alba, 274, 279
Aletris farinosa, 274, 278, 283
Aleurites, 95; moluccana, 93
Algae, Bermuda, 2
Alkalies on the growth of the protoplasm of pollen-tubes, The effect of acids and, 8, 84
Allodus megalospora, 152; Podophylli, 48
Alocasia indica, 66
Alphitonia, 95
Alternaria, 72; Brassicae, 72, 73
Alyxia, 95
Amanita, 176, 178, 246, 249, 250, 252; bacata, 248; bisporigera, 246; citrina, 177; cothurnata, 247, 248, 249; crenulata, 177; flavoconia, 251, 252; Frostiana, 251, 252; jonquillea, 248–251; Morrisii, 177; muscaria, 177, 178, 199, 250–252; pantherina, 247, 248, 250, 251; phalloides, 177, 246; spreta, 177; velatipes, 248, 250, 251; verna, 246, 247
Amanita, Six misunderstood species of, 2, 246
Amanitopsis, 249; albocreata, 248–250; vaginata, 177, 249; volvata, 177
Ambrosia, 139; artemisiifolia, 279
Amelanchier canadensis, 296
Amphisphaeria, 65; hesperidum, 65
Amphitrichum Hibisci, 59; Sacchari, 59
Amygdalus Persica, 120
Ancyloxypha, 481; numitor, 479, 484
Andropogon, 44, 269; furcatus, 274, 276, 283, 286; halepensis, 135; scoparius, 274–276, 283
Anemone, 120; nemorosa, 347
Aneura, 92
Aneura maxima, 92
Annona, Cherimolia, 167; reticulata, 166; squamosa, 167
Anoda hastata, 146, 147
Anoectochilus, 95
Anosia plexippus, 479
Antennaria neglecta, 274, 283; plantaginifolia, 275, 283
Anthemis arvensis, 339, 347
Anthephora elegans, 137; hermaphrodita, 137
Anthostomella, 66; mirabilis, 66
Antidesma, 95
Arachis hypogea, 73, 167
Aralia hispida, 299
Areca Catechu, 70; sapida, 70
Argynnis cybele, 480
Argyroxiphium, 93
Armillaria mellea, 50
Arnica montana, 343; unalaschensis, 346
Aronia nigra, 277
ARTHUR, J. C., and J. R. JOHNSTON. Uredinales of Cuba, 2, 97
Artocarpus communis, 164, incisa, 164
Arundo Donax, 60
Aschersonia, 70; sclerotioides, 70
Asclepias curassavica, 133, 150; nivea, 133; pulchra, 278
Ascophanus, 58; verrucosporus, 58

Aspergillus, 71; niger, 287, 288, 290; periconioides, 71
Aspergillus niger, Some factors influencing the stimulative action of zinc sulphate on the growth of, 2, 287
Aspidium aristatum, 96; caryotideum, 96; squamigerum, 96; terminans, 96; truncatum, 96
Asplenium Adiantum-nigrum, 96; caudatum, 96; contiguum, 96; ebenoides, 81; fragile, 96; horridum, 96; Nidus, 96; normale, 96; polyphyllum, 96; spathulinum, 96; varians, 96
Astelia, 95
Aster dumosus strictior, 274, 283; ericoides, 279; prenanthoides, 345, 347; salicifolius, 278
Asterina, 62; Elmeri, 63; Lawsoniae, 63; pelliculosa, 63; pemphidioides, 62
Astrantia major, 343
Astrocystis, 64; mirabilis, 64, 66
ATKINSON, GEORGE F. Six misunderstood species of Amanita, 2, 246
Austin, Coe Finch. A sketch of the life of, 2, 31
Avena sativa, 138

Baccharis, 158
Bacterium malvacearum, 75
Bambos vulgaris, 165
Bambusa, 64, 66
Banisteria laurifolia, 144
Baptisia, 269; tinctoria, 271, 274, 280, 281, 283
BARNHART, JOHN HENDLEY. Historical sketch of the Torrey Botanical Club, 12; History of the Torrey Botanical Club, 1
Bartonia virginica, 275, 280
Basilarchia archippus, 479
Bauhinia divaricata, 128; heterophylla, 167; rubiginosa, 167
Baumea, 95
Bean-pod as compared with that of the bean-plant, The individuality of the, 2, 207
Befaria, 46
Bellis perennis, 338, 339
Bermuda algae, 2
Bermudiana, 82
Betula lenta, 296; lutea, 296; populifolia, 273
Bidens leucantha, 134; pilosa, 134
Bignonia aequinoctialis, 155
Bjerkandera adusta, 49
BLAKESLEE, A. F., and P. A. WARREN. Parthenocarpy in cucumbers, 9
Blechnum, 469
Blechum Brownei, 156
Bletia patula, 166
BLODGETT, F. H. Weather conditions and crop diseases in Texas, 9, 74
BOAS, HELENE M. The individuality of the bean pod as compared with that of the bean plant, 2, 207
BOAS, HELENE M., A. B. STOUT and. Statistical studies of flower number per head in Cichorium Intybus: Kind of variability, heredity and effects of selection, 334
Boletus, 177, 275, affinis, 177; bicolor, 177; chromapes, 177; felleus, 177; miniato-olivaceus, 177; miniato-olivaceus sensibilis, 177; ornatipes, 177; paluster, 177; Ravenelii, 178; Roxanae, 178; separans, 177
Bo.tonia latisquama, 343
Bomarea, 45
Bombus fervidus, 480; impatiens, 480; pennsylvanicus, 480
Borreria laevis, 156
Botanical Club, History of the Torrey, 1
Botanical collecting in the Republic of Colombia, Recent, 8, 39
Botrychium lanceolatum, 297
Botryodiplodia, 70; Elasticae, 70
Botryorhiza Hippocrateae, 161
Botrytis, 202–206; vulgaris, 203
Bridelia, 68
BRITTON, N. L. The flora of the Isle of Pines, Cuba, 7; Torrey Botanical Club reminiscences, 2, 24
Bromus, 138
BURGESS, EDWARD S. A method of teaching economic botany, 3, 52
BURLINGHAM, GERTRUDE S. A preliminary report on the Russulae of Long Island, 8, 301
Byronia, 94
Byrsonima coccolobifolia, 114; crassifolia, 114

Caesalpinia bahamensis, 118; pulcherrima, 118; Rugeliana, 118
Cajan Cajan, 129
Cajanus indicus, 129
Calliospora Farlowii, 119
Calocera cornea, 49
Caltha palustris, 349
CAMPBELL, DOUGLAS HOUGHTON. The origin of the Hawaiian flora, 2, 90
Camptosorus rhizophyllus, 297
Canna, 141; indica, 141
Cantharellus aurantiacus, 176
Cardiospermum microcarpum, 144
Carex lurida, 278; pennsylvanica, 274, 283; sterilis, 278
Carica Papaya, 71
Carpinus caroliniana, 296
Cassia emarginata, 105, 118, 119; occidentalis, 68, 72, 73; robinaefolia, 118
Castalia odorata, 278
Castilla elastica, 70, 164
Catskills, Two months in the southern, 2, 294

Cayaponia racemosa, 134
Cenchrus echinatus, 136; viridis, 136
Centaurea 465; alba, 344; atropurpurea, 344, 346, 349; Cyanus, 339; Jacea, 339
Centrosomes during early fertilization stages in Preissia quadrata, 2, 323
Cephalanthus occidentalis, 170
Cercidium, 310; Torreyanum, 310
Cercospora, 72; Gliricidiae, 72; Litseae-glutinosae, 72; occidentalis, 72; personata, 73
Ceriomyces communis, 50; crassus separans, 50; viscidus, 50
Cerotelium Fici, 112; Gossypii, 113
Cerrena unicolor, 49
Chaetochloa geniculata, 137; imberbis, 137; onurus, 137; purpurascens, 137; setosa, 137; verticillata, 137
Chaetomium, 64; stercoreum, 64
Chamaesyce hirta, 131; hypericifolia, 131
Champeria manillana, 63
Chanterel cinnabarinus, 50; minor, 50
Chiogenes hispidula, 299
Cholisma ligustrina, 277
Chrysanthemum inodorum, 338; Leucanthemum, 338, 344, 347; segetum, 338, 354, 453.
Cichorium 339, 354; Intybus, 356–358
Cichorium Intybus: Kinds of variability, heredity, and effects of selection. Statistical studies of flower number per head in, 334
Cichorum, Statistical studies in, 8
Ciliciopodium, 73; Grayanum, 73
Cionothrix, 115; Cupaniae, 115
Cirsium discolor, 274
Cissus rhombifolia, 114; sicyoides, 161
Citrus, 70, 72; Aurantium, 65, 72; decumana, 65; nobilis, 70
Cladonia symphicarpa epiphylla, 267, 275
Cladosporium, 72; personatum, 73; subfusoideum, 72
Claoxylon, 95
Clavaria coronata, 49, cristata, 49
Clintonia borealis, 298; umbellulata, 298
Clitocybe, 178; dealbata sudorifica, 177, 178; illudens, 177–179; infundibuliformis, 50; lactariiformis, 50; multiceps, 177–179, 188; nebularis, 176; virens, 50
Clitoria rubiginosa, 128
Coastal locations, Comparative cultures of seed-plants in desert valley, desert mountain, and, 9
Coccolobis Uvifera, 164
Cocos flexuosa, 68; nucifera, 68, 71
Coelastrum, 229
Colchicum autumnale, 459
Coleosporium, 107, 108; Elephantopodis, 109; Eupatorii, 111; Ipomoeae, 110; Plumierae, 110; Vernoniae, 110
Coleus, 451
Colias, 480; philodice, 479
Collecting Fungi at Delaware Water Gap, 7, 48
Colocasia, 93
Colombia, Recent botanical collecting in the Republic of, 8, 39
Coltricia cinnamomea, 49
Comandra, 275; umbellata, 275
Commelina, 127; nudiflora, 127, longicaulis, 127
Comparative cultures of seed-plants in desert valley, desert mountain, and coastal locations, 9
Comptonia peregrina, 274
Coniothyrium 69; melasporum, 69
Contact and pressure reactions in Pediastrum simplex, 2, 210
Convolvulus, 105, 145; dissectus, 169; nodiflorus, 133
Coprinus atramentarius, 50; micaceus, 50, 331; Spraguei, 50
Coprosoma, 95
Cordyline, 95
Coriolellus sepium, 49
Coriolus abietinus, 49; molliusculus, 49; nigromarginatus, 49; versicolor, 49
Cornus canadensis, 300
Cortinarius corrugatus, 50
Cortinellus multiformis, 50; rutilans, 50
Corylus americana, 274
Cotton-rust epidemic in Texas, A, 2
Cracca virginiana, 274, 283
Craterellus cornucopioides, 49
Crinipellis zonata, 50
Crocanthemum, 274; dumosum, 280, 283
Cronartium Byrsonimatis, 114; notatum, 114; Wilsonianum, 114
Crop diseases in Texas, Weather conditions and, 9
Crotolaria stenophylla, 62
Crucibulum vulgare, 50
Cuba, The flora of the Isle of Pines, 7
Cuba, Uredinales of, 2, 97
Cucumbers, Parthenocarpy in, 9
Cupania americana, 115; glabra, 115; macrophylla, 131
Cyathodes, 95
Cyathus striatus, 50
Cydista, 155; aequinoctialis, 155
Cyperus, 139; ferax, 139
Cypholophus, 95
Cyrtandra, 95

Daedalea confragosa, 49; quercina, 49
Dalbergia, 125; Amerimnum, 125
Daldinia concentrica, 48
Dalea domingensis, 119
Darluca melaspora, 69
Daucus Carota, 279
Delaware Water Gap, Collecting Fungi at, 7, 48
DEMAREST, MRS. ABRAHAM (SARAH

ELIZABETH AUSTIN). A sketch of the life of Coe Finch Austin, 2, 31
Dendroceros, 92
Dendroecia, 117; Lysilomae, 117
Dennstaedtia punctilobula, 297
DENSLOW, HERBERT MCKENZIE. Reminiscences, 2, 22
Desert valley, desert mountain, and coastal locations, Comparative cultures of seed-plants in, 9
Desmodium, 60; capitatum, 62; gangeticum, 60; Scorpiurus, 62, 130; tortuosum, 130; triflorum, 62; virgatum, 60
Determination of acidity in plant tissues, 8, 241
Dianella, 95
Dictyophora duplicata, 50
Didymosphaeria, 66; striatula, 66
Difflugia, 451; corona, 210
Dimorphotheca pluvialis, 209
Diodia, 156
Dioscorea, 165; convolvulacea, 166
Dipholis salicifolia, 149
Diplodia, 69; Agaves, 69
Diseases in Texas, Weather conditions and crop, 9, 74
DODGE, B. O., and J. F. ADAMS. Some observations on the development of Peridermium Cerebrum, 7, 253
Dolichos, 129; Lablab, 129
Doodya media, 96
Dothichiza populea, 48
Dothidea grammodes, 62; perisporioides, 62
Dothidella grammodes, 62
Dracaena, 95
Drosera, 26; intermedia, 278
Dryopteris Braunii, 297; Goldieana, 297, spinulosa, 297, Thelypteris, 297
Dulichium arundinaceum, 277
Dumortiera, 91, 92; hirsuta, 91; trichocephala, 91; velutina, 91

Early horticultural journalism in the United States, 8, 79
Echium vulgare, 298
Economic botany, A method of teaching, 3, 52
Effect of acids and alkalies on the growth of the protoplasm of pollen-tubes, The 8, 84
EGGLESTON, W. W. The route taken by Capt. Nathaniel J. Wyeth and Mr. Thomas Nuttall from the Mississippi River to the Columbia River in 1834, 8
Eichhornia, 461, 466, 483; azurea, 460, 463, crassipes 460, 477, 482; montevidensis, 466
Elaeocarpus, 94
Elfvingia fomentaria, 49; megaloma, 49
Eleocharis capitata, 140; geniculata, 139; melanocarpa, 278
Elephantopus mollis, 109
Eleutheranthera ruderalis, 104, 159, 160
Embelia, 95
Emilia sonchifolia, 159
Endophyllum, 163; circumscriptum, 160; Rivinae, 142, 143; singulare, 114
Endothia parasitica, 48
Entoloma, 177; cuspidatum, 177; nidorosum, 177; rhodopolium, 177; salmoneum, 177; sericiceps, 50; sinuatum, 177; strictius, 50, 177
Entomophthora Anisopliae, 57
Epargyreus tityrus, 479
Eragrostis, 126; tephrosanthos, 126
Eriocaulon septangulare, 277
Eriophorum gracile, 277; virginicum, 278
Eriosporangium evadens, 157; tucumanense, 154;
Ernodia, 156
Erysiphe Alni, 61; Coryli, 61; guttata, 61; suffulta, 61
Erythrina glauca, 167
Erythroxylon havanense, 168
Eugenia, 62; Jambos, 148; malaccensis, 93
Eupatorium, 140, 479; album, 343, 344; hyssopifolium, 274, 283, 286; macrophyllum, 111; perfoliatum, 277; purpureum, 278; villosum, 158, 159
Euphorbia heterophylla, 131; hirta, 131; hypericifolia, 131; pilulifera, 131
Euptoieta claudia, 479
Eurya, 94
Euthamia tenuifolia, 274, 278
Evolution of cell types and contact and pressure responses in Pediastrum, The, 210
Exidia glandulosa, 49
Exocarpus, 95
Exploration in Colombia, Recent botanical, 8, 39

Faramea occidentalis, 163
FARWELL, OLIVER ATKINS. Sisyrinchium Bermudiana, 2, 82
Ferns of tropical Florida, The, 2
Fertilization stages of Preissia quadrata, Centrosomes during early 2, 323
Ficus, 55, 63, 69; Carica, 69, 112; chrysolepis, 63; Combsii, 112; heterophylla, 64; Minahassae, 64; odorata, 63; ulmifolia, 63; validicaudata, 63
Fimbristylis ferruginea, 165
Fischeria crispiflora, 151
Fistulina hepatica, 50
Flammula betulina, 177
Flora of the Isle of Pines, Cuba, The, 7
Flora of the Rocky Mountains and adjacent plains, 7
Florida, The ferns of tropical, 2
Fossil plants from Porto Rico, 2
Fraxinus, 313, 314; attenuata, 311, 313
Freycinetia, 95

Fuirena simplex, 140; umbellata, 165
Fumaria officinalis, 466
Fungi at Delaware Water Gap, Collecting, 7, 48

Gahnia, 95
Galera tenera, 177
Galerula crispa, 50; hemisphaerica, 50
Ganoderma Tsugae, 49
Gardenia, 95
Garnotia, 95
Gaya occidentalis, 147
Gaylussacia baccata, 274
Genea, 59; Thwaitesii, 59
Gentiana Saponaria, 277
Geopetalum candidissimum, 50
Geranium, 142; maculatum, 206
Gerardia decemloba, 274
Gilia, 464
Gleichenia longissima, 96
Gliricidia sepium, 72
Gloeophyllum trabeum, 49
Gloeoporus conchoides, 49; Palmarum, 70
Glomerella Gossypii, 74
Gossypium, 113; acuminatum, 113
Gouania domingensis, 145, 146; lupuloides, 145, 146; polygama, 105, 145, 146; tomentosa, 145
GRAFF, PAUL WEIDEMEYER. Philippine Micromyceteous Fungi, 3, 56
GRAHAM, MARGARET. Centrosomes during early fertilization stages in Preissia quadrata, 2, 323
Gratiola aurea, 278
Guepinia spathularia, 49
Gymnoconia interstitialis, 48
Gymnogramma calomelanos, 164
Gymnogramme javanica, 96
Gymnopus dryophilus, 50; lachnophyllus, 50; platyphyllus, 50; radicatus, 50; velutipes, 50
Gymnosporangium effusum, 48; germinale, 48; globosum, 48; guaraniticum, 132; Juniperi-virginianae, 48; Nidus-avis, 49
Gynandropsis, 93

Habenaria maculosa, 166
Hapalopilus gilvus, 49; rutilans, 49
Haplographium, 71; echinatum, 71
HARPER, R. A. The evolution of cell types and contact and pressure responses in Pediastrum, 2, 210
HARPER, ROLAND M. The vegetation of the Hempstead Plains, 9, 262
HARRIS, J. ARTHUR. On the osmotic concentration of the tissue fluids of desert Loranthaceae, 8, 307
Hawaiian flora, The origin of the, 2, 90
HAZEN, TRACY E. The trimorphism and insect visitors of Pontederia, 9, 459
Helianthemum, 274
Helianthus angustifolius, 277; annuus, 158, 342, 345
Helotium citrinum, 48
Helvella esculenta, 178; lacunosa, 48
Hemaris thysbe, 479
Hemidiodia ocimifolia, 156
Hempstead Plains, The vegetation of the, 9, 262
Hepatica, 120
Hesperocnide, 95
Heteranthera reniformis 483; zosteraefolia, 483
Hevea brasiliensis, 70
Hewittia sublobata, 60
Hexagona alveolaris, 49
Hibiscus, 348; syriacus, 113, 348
Hippocratea volubilis, 161
Holcus halepensis, 135; Sorghum, 135
HOLLICK, ARTHUR. Fossil plants from Porto Rico, 2; Torrey Botanical Club reminiscences, 29
Hopea Pierrei, 70
HORNE, W. T., F. J. SEAVER and. Life-history studies in Sclerotinia, 9, 202
Horticultural journalism in the United States, Early, 8, 79
Houstonia longifolia, 275
HOWE, MARSHALL A. Bermuda Algae, 2
Hydnocystis Thwaitesii, 59
Hydnoporia fuscescens, 49
Hydnum ochraceum, 49
Hydrocotyle australis, 148
Hydrodictyon, 211
Hygrophorus conicus, 177; hypothejus, 177; marginatus, 177; parvulus, 177; pratensis albus, 177; pratensis cinereus, 177
Hymenaea Courbaril, 167
Hypericum adpressum, 277; canadense, 278
Hypholoma, 177; appendiculatum, 50; Candolleanum, 50; cernuum, 177; fasciculare, 176; instratum, 177; rugocephalum, 50; sublateritium, 176
Hypomyces hyalinus, 48
Hypoxis, 280; hirsuta, 274, 283
Hypoxylon, 67; anthracodes, 67; coccineum, 48; effusum, 67; marginatum, 67; rubiginosum, 67
Hyptis, 106; capitata, 154; lantanifolia, 154; pectinata, 153; radiata, 154; suaveolens, 153, 154
Hysterium confluens, 64; rufulum, 58, 64

Ibidium cernuum, 278; gracile, 275, 280
Ichthyomethia Piscipula, 116
Ilicioides mucronata, 299
Indigofera suffruticosa, 116
Individuality of the bean-pod as compared with that of the bean-plant, The, 2, 207
Inheritance of height in peas, 9, 316

Inheritance studies in Pisum, 111. The inheritance of height in peas, 316
Inocybe, 50, 178; decipiens, 178; infelix, 177; infida, 178, 179
Insect visitors of Pontederia, Trimorphism and, 9, 459
Ionactis, 283; linariifolius, 274
Ipomoea, 60; acuminata, 110, 151; carolina, 152; cathartica, 110, 151; Learii, 110; mutabilis, 110; stolonifera, 110; triloba, 151
Iresine angustifolia, 142; Celosia, 127, 142; celosioides, 142; elatior, 142; paniculata, 127, 142
Irpiciporus lacteus, 49; mollis, 49
Isaria Anisopliae, 57
Isle of Pines, Cuba, The flora of the, 7
Isnardia repens, 148

Jacquemontia, 95; nodiflora, 105, 133; tamnifolia, 110
Jambosa vulgaris, 148
Jambos Jambos, 148
Jatropha Curcas, 164; gossypifolia, 164; Manihot, 130
JOHNSTON, J. R., J. C. ARTHUR and. Uredinales of Cuba, 2, 97
Joinvillea, 95
Journalism in the United States, Early horticultural, 8, 79
Juglans cinerea, 296
Juncus acuminatus, 277; canadensis, 277; Greenei, 274, 278, 283

Klebahnia Bidentis, 134
Kneiffia, 277; linearis, 277
Kniphofia, 470
Kuehneola Fici, 112; Gossypii, 113; malvicola, 113
Kyllinga, 139

Lablab vulgaris, 129
Laccaria laccata, 50; striatula, 50
Lachnea scutellata, 48
Lachnocladium Micheneri, 49; Schweinitzii, 49
Lachnorhiza piloselloides, 110
Lactaria glyciosma, 50; hygrophoroides, 50; piperata, 50; rimosella, 50; rufa. 176; scrobiculata, 50; subdulcis, 50; torminosa, 177; uvida, 177; varia, 50; vellerea, 176
Lactuca intybacea, 170
Lamellae in Schizophyllum commune, The origin and development of the, 8, 326
Lantana Camara, 152; involucrata, 123, 152; odorata, 152; reticulata, 152, 153; trifolia, 152
Lasiacis, 126
Lawsonia inermis, 63
Lecanium, 70
Lechea maritima, 274; villosa, 274
Lentinus strigosus, 50
Lenzites betulina, 49
Leonotis, 106; nepetaefolia, 155
Leotia lubrica, 48
Lepiota, 50
Leptochloa domingensis, 165
Leptoniella, 50
Lespedeza angustifolia, 274, 283; capitata, 280; capitata sericea, 274, 283
LEVINE, MICHAEL. The physiological properties of two species of poisonous mushrooms, 7, 176
Libertella Fici, 69
Life-history studies in Sclerotinia, 9, 202
Life of Coe Finch Austin, A sketch of the, 2, 31
Limnanthemum, 104; Grayanum, 106, 140
Linaria vulgaris, 279
Linum floridanum, 274; intercursum, 274, 283; medium, 274; striatum, 277
Lippia dulcis, 123, 152; stoechadifolia, 152
Litsea, 61; glutinosa, 72
LLOYD, FRANCIS E. The effect of acids and alkalies on the growth of the protoplasm of pollen-tubes, 8, 84
Lobelia Nuttallii, 278
Lonchocarpus campestris, 116; latifolius, 116
Long Island, A preliminary report on the Russulae of, 8, 301
Long Island, The vegetation of Montauk, 9
Long Island, The vegetation of the Hempstead Plains, 9, 262
Loranthaceae, The osmotic concentration of the tissue fluids of desert, 8, 307
Lucuma nervosa, 169
Ludwigia alternifolia, 278
Lycium carolinianum, 155
Lycoperdon gemmatum, 50
Lycopodium adpressum, 278; lucidulum, 297; Phlegmaria, 96; serratum, 96; volubile, 96
Lycopus, 277
Lygodium, 27
Lysiloma bahamensis, 117; tergemina, 117
Lysimachia terrestris, 277
Lythrum, 478, Salicaria, 459, 462

MACDOUGAL, D. T. Comparative cultures of seed-plants in desert valley, desert mountain, and coastal locations, 9
Macrophoma, 68; Musae, 68
Macropodia fusicarpa, 48
Macrosporium Brassicae, 72
Malache scabra, 113
Malva rotundifolia, 351
Malvastrum corchorifolium, 148; coromandelianum, 148
Malvaviscus Sagreanus, 113
Mangifera indica, 60

Manihot Manihot, 130; utilissima, 68, 130
Marasmius archyropus, 50; caryophylleus, 50; confluens, 50; elongatipes, 50; insititius, 50; perforans, 50; praeacutus, 50; resinosus, 50; Rotula, 50; siccus, 50; subnudus, 50
Marattia Douglasii, 96
Marchantia polymorpha, 324
Matteuccia Struthiopteris, 297
Medicago sativa, 128
MEDSGER, OLIVER P. Two months in the Southern Catskills, 2, 294
Megaceros, 92
Meibomia Scorpiurus, 130, tortuosum, 130
Melampsora, 107
Melampsoridium, 107
Melanoleuca, 50
Melanthera brevifolia, 135; hastata cubensis, 135
Meliola, 59; amphitricha, 50; Arundinis, 60; Desmodii, 60; Litseae, 61; Mangiferae, 60; quadrispina, 60; substenospora, 60
Melosira, 340
Melothria guadalupensis, 134
Merulius, 326
Mesophaerum capitatum, 154; lantanifolium, 154; pectinatum, 153; rugosum, 154; suaveolens, 153, 154
Metarrhizium, 57; Anisopliae, 57
Metastelma, 151; penicillatum, 105, 151
Method of teaching economic botany, A, 3, 52
Metrosideros, 95
Mezoneuron, 95
Microlepia strigosa, 96; tenuifolia, 96
Micromycetous Fungi, Philippine, 3, 56
Mimosa asperata, 119; pigra, 119
Mitracarpum, 156
Monadelphus illudens, 50
Montauk, Long Island, The vegetation of, 9
Morchella esculenta, 48
Morus alba, 62
MURRILL, WILLIAM A. Collecting Fungi at Delaware Water Gap, 7, 48
Musa paradisiaca, 69; sapientum, 66
Mycosphaerella, 65; Alocasiae, 66; Fragariae, 65; Musae, 66; Pericampyli, 66
Myoporum, 95
Myrica carolinensis, 274

Naemospora, 69; Fici, 69
Nama, 95
Naucoria firma, 177
Nephlyctis transformans, 123
Neurolaena lobata, 159, 160
Nigella, 351, 354; hispanica, 351
Nigredo Caladii, 49; columbiana, 135; Houstoniata, 49
Nummularia, 67; anthracodes, 67
Nuttall, from the Mississippi River to the Columbia River in 1834, The route taken by Capt. Nathaniel J. Wyeth and Mr. Thomas, 8
Nyssa, 276

Observations on the development of Peridermium Cerebrum, 7, 253
Ochrosia, 95
Odontoloma repens, 96
Oenothera, 277, 346; biennis, 279
Oidium, 71; Oxalidis, 71
OLIVE, E. W. A cotton-rust epidemic in Texas, 2
Olyra latifolia, 105, 136
Omphalopsis campanella, 50; Fibula, 50
Onoclea sensibilis, 277
On the osmotic concentration of the tissue fluids of desert Loranthaceae, 307
Oospora Destructor, 57
Operculina dissecta, 169
Ophioglossum pendulum, 96
Oplismenus compositus, 60
Opuntia, 28
Orbilia chrysocoma, 48
Origanum vulgare, 298
Origin and development of the lamellae in Schizophyllum commune, 8, 326
Origin of the Hawaiian flora, The, 2, 90
Osmotic concentration of the tissue fluids of desert Loranthaceae, The, 8, 307,
Osmunda, 469; cinnamomea, 277; regalis, 277
Oxalis, 45, 139; corniculata, 71; repens, 71
Oxycoccus macrocarpus, 277

Pallavicinia, 92
Panaeolus, 183–189, 191–193, 195, 196, 198, 199; papilionaceus, 179; retirugis, 50, 177, 181, 192–195, 198, 199, 201; venenosus, 179–182, 187, 188, 190–197, 199, 201
Pandanus, 95
Panellus stypticus, 50
Panicum, 126; barbinode, 125; fasciculatum, 136; sanguinale, 137; trichoides, 136; virgatum, 277
Panus, 326
Papilio polyxenes, 479; turnus, 479
Parodie la, 62; grammodes, 62; perisporioides, 62; pumila, 62; puncta, 62
Parosela domingensis, 119
Parthenocarpy in cucumbers, 9
Paspalum conjugatum, 165; virgatum, 136
Passiflora rubra, 162
Patouillardiella guaranitica, 132
Paxillus involutus, 50
Peas, Inheritance of height in, 9, 316
Pediastrum, 210, 212–214, 222, 223, 235, 239; angulosum, 228; asperum, 211–

213, 223–227, 234, 236; Boryanum, 211, 212, 214, 218, 222–225, 228, 234; clathratum, 211, 214, 223-227, 233, 234, 236, 237; diodon, 223; diodon reticulatum, 223; duodenarium, 214, 216; duplex, 223, 225; duplex reticulatum, 223, 224; Ehrenbergii, 211, 229, 230; incisum, 230; incisum Rota, 230; integrum, 213, 214, 229, 234; lobatum, 230; muticum, 213; pertusum, 223, 228; pertusum asperum, 224; pertusum clathratum, 223; Rotula, 211, 230, 231; simplex, 211, 212, 214–222, 227, 228, 231, 234, 237; Sturmii, 214, 220, 221; triangulum, 211, 214–218, 231, 234; triangulum angustum, 216, 217; triangulum latum, 216, 217; tricornutum, 229
Pediastrum, The evolution of all types and contact and pressure responses in, 210
Pediastrum simplex, Contact and pressure reactions in, 2
Pellaea ternifolia, 96
Pellia epiphylla, 324
Penicillium Anisopliae, 57; echinatum, 71
Peniophora cinerea, 49
Pericampylus incanus, 66
Peridermium, 253, 259; Cerebrum, 253, 256–258, 260, 261; fusiforme, 260
Peridermium Cerebrum, Observations on the development of, 7, 253
Perrottetia, 95
Persicaria, 279; punctata, 141
Pestalozzia, 71; palmarum, 71
Peziza, 59; badia, 48
Phakopsora Aeschynomenis, 112; Vignae, 112; Vitis, 111
Pharbitis cathartica, 110
Phaseolus, 129; odoratus, 85; vulgaris, 129
Phegopteris punctata, 96
Philibertella clausa, 150
Philippine Micromycetous Fungi, 3, 56
Pholiota autumnalis, 178; Johnsoniana, 50; mutabilis, 50; praecox, 50
Phoma, 68; herbarum, 68; Musae, 68
Phoradendron, 307, 311, 313–315; californicum, 310, 315; Coryae, 311, 315; macrophyllum, 311, 314, 315; macrophyllum Jonesii, 313, 314
Phragmidium, 107, 121, 122
Phragmites, 60
Phycioides tharos, 479
Phyllachora, 63; circinata, 63; Ficifulvae, 63, 64; Fici-minahassae, 63; Kaernbachii, 63, 64; Merrillii, 63; Minahassae, 64
Phyllactinia, 61; antarctica, 61; Candollei, 61; guttata, 61, suffulta, 48, 61
Phyllostegia, 95
Phyllosticta, 68; Brideliae, 68; cocophila, 68
Physalis peruviana, 46
Physiological properties of two species of poisonous mushrooms, The, 7, 176
Physopella Aeschynomenis, 112; Artocarpi, 164; concors, 112; Fici, 112; ficina, 112; Vitis, 111
Piaropus, 461, 464, 466, 467; azureus, 459, 466, 468; crassipes, 460
Picea rubra, 297
Pieris, 480; Mariana, 273, 277, 283; Rapae, 479
Pinanga, 71
Pinus Banksiana, 253, 256; divaricata; 254, 256; rigida, 253, 256, 261, 271, 273, 276; virginiana, 253, 256, 261
Pipturus, 95
Pisonia aculeata, 161
Pissodes Strobi, 296
Pisum, Inheritance studies in, 316
Pithecoctenium echinatum, 123
Pithecolobium apoense, 60; tortum, 117
Pittosporum, 94
Pityrogramma calomelanos, 164
Plant tissues, Determination of acidity in, 8, 241
Plasmopora viticola, 48
Plectranthus, 95
Plectronia, 95
Pleuropus unitinctus, 50
Plumiera emarginata, 110; obtusa, 110; rubra, 110
Pluteus cervinus, 50; granularis, 50 longistriatus, 50
Poa pratensis, 181
Poinciana pulcherrima, 118
Poinsettia heterophylla, 131
Poisonous mushrooms, The physiological properties of two species of, 7, 176
Polites peckius, 479
Pollen-tubes, The effect of acids and alkalies on the growth of the protoplasm of, 8, 84
Polydesmus exitiosus, 72
Polygala cruciata, 277; Nuttallii, 274; polygama, 274, 283; viridescens, 274
Polygonum punctatum, 141; sagittatum, 277
Polypodium Hookeri, 96; lineare, 96; samoense, 96; Spectrum, 96; tamariscinum, 96
Polyporus elegans, 49; Polyporus, 49
Polythelis fusca, 49
Polytrichum juniperinum, 267, 275
Pontederia, 459, 461, 466, 467, 469, 470, 474, 478–480, 483, 484; azurea, 461; cordata, 461–463, 466, 473, 475, 477, 478, 483, 484; cordata lancifolia, 466, 468; crassipes, 459–461; montevideensis, 461, 466–469, 471, 478, 483; rotundifolia, 461, 483
Pontederia, The trimorphism and insect visitors of, 9, 459

Populus, 314, 315; grandidentata, 296; tremuloides, 273, 296; Wislizenii, 314
Poria medullapanis, 49; vaporaria, 49
Poronidulus conchifer, 49
Porto Rico, Fossil plants from, 2
Potamogeton, 278
Potentilla canadensis, 274
Preissia quadrata, 323
Preissia quadrata, Centrosomes in fertilization stages of, 2, 323
Preliminary report on the Russulae of Long Island, A, 8, 301
Pritchardia, 95
Priva lappulacea, 152
Prosopis velutina, 310
Prospodium, 122, 149, 169; Amphilophii, 123; appendiculatum, 120, 156; Lippiae, 123; plagiopus, 98, 104, 120; tuberculatum, 123
Protoplasm in pollen-tubes, The effect of acids and alkalies on the growth of the, 8, 84
Prunus Persica, 120
Psathyrella disseminata, 50
Pseudomorus, 95
Psoralea tenuiflora, 281
Pteris excelsa, 96
Puccinia, 107, 108, 121, 122, 166, 170; abrupta, 158; Adenocalymnatis, 155; aequinoctialis, 155; Amphilophii, 123; Anthephorae, 104, 137; appendiculata, 120; Arechavelatae, 144; Asteris, 104; barbatula, 144; Blechi, 156; canaliculata, 139; Cannae, 141; Cenchri, 136; Chaetochloae, 137; Chaseana, 137; compacta, 150; concrescens, 150; Conoclinii, 158; coronata, 138; crassipes, 151, 152; cuticulosa, 156; Cynanchi, 106, 151; Cyperi, 139; deformata, 105, 136; elegans, 124; Eleocharidis, 139; Eleutherantherae, 159; evadens, 157; exitiosa, 124; Fuirenae, 140; fuscella, 157; globosipes, 155; Gonolobi, 106, 150, 151; Gouaniae, 105, 145; graminis, 104, 138; Helianthi, 158; heterospora, 105, 146; Huberi, 136; Hydrocotyles, 148; Hyptidis, 154; Impatientis, 49; inflata, 143; insititia, 154; invaginata, 146; Johnstonii, 149; Lantanae, 152; lateripes, 156; lateritia, 156; Leonotidis, 155; Lippiae, 123; Ludwigiae, 148; macropoda, 142; malvacearum, 148; medellinensis, 153, 154; megalospora, 152; obliqua, 105, 151; Osmorrhizae, 49; plagiopus, 104, 120, 121; poculiformis, 104, 138; Polygoniamphibii, 141; Psidii, 148; purpurea, 135; Raunkiaerii, 142; Rhamni, 138; Rivinae, 97, 106, 142, 143; rosea, 159; Ruelliae, 156; salviicola, 153; Scirpi, 106, 140; Scleriae, 162; scleriicola, 140; Smilacis, 141; solida, 104, 159, 160; Sorghi, 139; sphaerospora, 151; striolata, 142; substriata, 137; Synedrellae, 104, 159; transformans, 123; Tridacis, 159; tuberculata, 123; Urbaniana, 153; urticata, 49; valida, 166; Vernoniae, 157; Violae, 49; Xanthii, 156; Zorniae, 143
Pucciniastrum, 107
Pucciniosira pallidula, 160
Pueraria, 56; sericantha, 56; Thunbergii, 56
Pycnoporus cinnabarinus, 49
Pyropolyporus igniarius, 49

Quercus, 296, 311; arizonica, 311; Emoryi, 311; heterophylla, 261; hypoleuca, 311; ilicifolia, 260, 274, 282; marylandica, 260, 270, 273; oblongifolia, 311; prinoides, 273, 282, 283; stellata, 270, 273

Raillardia, 93
Rajania cordata, 165
Ramularia Fragariae, 65; Tulasnei, 65
Ravenelia, 107, 108, 116–118, 167; cubensis, 118; Humphreyana, 118; Indigoferae, 116; Lonchocarpi, 116; Lysilomae, 117; Piscidiae, 116; Pithecolobii, 117; portoricensis, 105, 118; pulcherrima, 118; siliquae, 117
Recent botanical exploration in Colombia, 8, 39
Reminiscences, 2, 22
Reminiscences, Torrey Botanical Club, 2, 29
Report on the Russulae of Long Island, A preliminary, 8, 301
Reynoldsia, 95
Rhexia virginica, 277
Rhus copallina, 274, 280, 283; radicans, 277; Vernix, 277
Rhynchospora alba, 277; glomerata, 278
Rhytidhysterium guaraniticum, 59; javanicum, 59
Riccardia, 92
RICHARDS, HERBERT M. Determination of acidity in plant tissues, 8, 241
Riella Clausonis, 323
Rivina humilis, 142; octandra, 97, 106, 142
Robinia, 44
Rocky Mountains and adjacent plains, Flora of the, 7
Rosa palustris, 277
Rosellinia Bambusae, 64, 66
Rubus cuneifolius, 274; hispidus, 277; strigosus, 300
Ruellia, 156
RUSBY, H. H. Recent botanical collecting in the Republic of Colombia, 39
RUSBY, H. H. Recent botanical exploration in Colombia, 8

Russula, 301–303, 305, 306; aeruginea, 305; albella, 301, 303; albida, 301, 303; anomala, 302, 303; betulina, 302, 303; blanda, 302, 303; cinerascens, 305; compacta, 301, 303; crustosa, 301, 304; decolorans, 302, 305; delica, 305; densifolia, 305; Earlei, 301, 304; emetica, 305; flava, 50, 306; flaviceps, 302, 304; flavida, 301, 304; foetens, 50, 306; fragiliformis, 306; fragilis, 306; heterophylla, 306; humidicola, 304; lepida, 306; magnifica, 302; Mariae, 301, 302, 304; modesta, 304; obscura, 302, 306; olivascens, 306; pectinata, 302, 306; purpurina, 306; pusilla, 302, 304; Queletii, 176; rubescens, 302, 306; rubra, 306; sanguinea, 176; serissima, 302, 304; sororia, 306; sphagnophila, 301, 302, 305; squalida, 177; subolivascens, 306; subvelutina, 301, 305; uncialis, 301, 305; variata, 301, 305; vinacea, 305; virescens, 50
Russulae of Long Island, A preliminary report on the, 8, 301
RYDBERG, P. A. Flora of the Rocky Mountains and adjacent plains, 7
Rynchospora, 127; distans, 126

Saccharum, 60; officinarum, 69; spontaneum, 69
Sagittaria latifolia, 278
Salix humilis, 273; tristis, 273
Salvia, 106; occidentalis, 153
Sambucus canadensis, 277
Santalum, 95
Sapindus Saponaria, 60
Sapota Achras, 169
Sarcoscypha occidentalis, 48
Sarothra gentianoides, 275
Savia sessiliflora, 168
Scaevola, 95
Scenedesmus, 211
Schizaea, 26; australis, 96
Schizophyllum, 326, 331, 332; commune, 327, 332
Schizophyllum commune, The origin and development of the lamellae in, 8, 326
Schizophyllus, 326; alneus, 50
Schizostachyum, 67
Scirpus capitatus, 140; lacustris, 140
Scleria lithosperma, 127; pauciflora, 274, 283; verticillata, 26, 140
Scleroderma aurantium, 50
Sclerotinia, 202, 206; Geranii, 205
Sclerotinia, Life-history studies in, 9, 202
Sclerotium Erysiphe corylea, 61; suffultum, 61
SCOTT, JAMES G. Early horticultural journalism in the United States, 8, 79
SEAVER, F. J., and W. T. HORNE. Life-history studies in Sclerotinia, 9, 202
Securidaca, 45
Seed-plants in desert valley, desert mountain, and coastal locations, Comparative cultures of, 9
Sempervivum, 350
Senecio alpinus, 343; Fuchsii, 339; Jacobaea, 339; nemorensis, 339
Septocylindrium suspectum, 57
Sericocarpus, 281; linifolius, 274, 282, 283
Setaria setosa, 137
Sicyos angulata, 469
Sida angustifolia, 147; glutinosa, 147; procumbens, 147; spinosa, 147
Sideroxylon foetidissimum, 149
Sisyrinchium, 82, 95, 274; angustifolium, 82; Bermudiana, 82, 83; iridioides, 82, 83
Sisyrinchium Bermudiana Linnaeus, 2, 82
Six misunderstood species of Amanita, 2, 246
Skierka, 133
SMALL, JOHN K. The ferns of tropical Florida, 2
Smilax havanensis, 141
Smithia ciliata, 62
Solanum torvum, 162
Solidago nemoralis, 274; puberula, 274, 280; rugosa, 278; Virgaurea, 339
Some factors influencing the stimulative action of zinc sulphate on the growth of Aspergillus niger, 2
Some observations on the development of Peridermium Cerebrum, 253
Sorbus americana, 297; sambucifolia, 297
Sorghastrum, 276; nutans, 274, 283
Sorghum halepense, 135; vulgare, 135
Sparganium, 277
Spermacoce, 156
Sphacele, 95
Sphaerella Fragariae, 65; Musae, 66
Sphaeria amphitricha, 59; anthracodes, 67; Fragariae, 65; fragariaecola, 65; grammodes, 62; marginata, 67; rubiginosa, 67
Sphaerophragmium, 108, 125; Dalbergiae, 124
Sphaeropsis Musarum, 68
Sphagnum, 278
Spiraea latifolia, 277; tomentosa, 277
Spirodela, 16
Sporobolus indicus, 126
Stachytarpheta jamaicensis, 153
Staphylea trifolia, 348
Statistical studies in Cichorium, 8
Statistical studies of flower number per head in Cichorium Intybus; Kinds of variability, heredity, and effects of selection, 334
STEINBERG, R. A. A study of some factors influencing the stimulative action of zinc sulphate on the growth of Aspergillus niger, 1; The effect of the presence of zinc in the cultural flasks,

287; Some factors influencing the stimulative action of zinc sulphate on the growth of Aspergillus niger, 2
Stellaria media, 347
Stenolobium stans, 120, 124
Stereum complicatum, 49; frustulosum, 49; hirsutum, 49; lobatum, 49
Stigmaphyllon lingulatum, 144; periplocifolium, 143; reticulatum, 144; Sagraeanum, 144
Stigmatea Fragariae, 65
STOUT, A. B., and HELENE M. BOAS, Statistical studies of flower number per head in Cichorum Intybus: Kinds of variability, heredity and effects of selection, 334
STOUT, A. B. Statistical studies in Cichorium, 8
Strobilomyces strobilaceus, 50, 178
Stromatinia, 206; Geranii, 206
Strongylodon, 95
Stropharia semiglobata, 50
Strophostyles, 129
Studies in Cichorium, Statistical, 8, 334
Studies in Sclerotinia, Life-history, 9, 202
Study of some factors influencing the stimulative action of zinc sulphate on the growth of Aspergillus niger, 1. The effect of the presence of zinc in the cultural flasks, A, 287
Symphogyna, 92
Synchytrium, 56, 57; Puerariae, 56
Synedrella nodiflora, 159
Syntherisma sanguinalis, 137, 279

Tabanus giganteus, 480
Tamarindus indica, 59
Tanacetum corymbosum, 349
Taxus minor, 298
TAYLOR, NORMAN. The vegetation of Montauk, Long Island, 9
Tecoma, 163; lepidota, 120, 122; pentaphylla, 120, 162; stans, 120, 124
Tetraplasandra, 95
Texas, A cotton-rust epidemic in, 2
Texas, Weather conditions and crop diseases in, 9, 74
Thalictrum, 120
Thelephora multipartita, 49; regularis, 49
Tissue fluids of desert Loranthaceae, The osmotic concentration of the 8, 307
Tithymalus, 128
Torrey Botanical Club, History of the, 1
Torrey Botanical Club reminiscences, 2, 24, 29
Tournefortia hirsutissima, 162; peruviana, 162; volubilis, 134
Tranzschelia punctata, 49, 119
Tremella lutescens, 49
Tremellodon gelatinosum, 49
Triadenum virginicum, 277
Trichobasis euphorbiaecola, 105, 131; labiatarum, 106
Tricholoma ustale, 177
Trichomanes meifolium, 96; parvulum, 96
Tridax procumbens, 160
Trillium undulatum, 298
Trimorphism and insect visitors of Pontederia, The, 9, 459
Triticum sativum, 138; vulgare, 138
Triumfetta semitriloba, 160
Tryblidiella, 58, 64; Balansae, 59; rufula, 58, 64
Tryblidium guaraniticum, 59
Tuberculina, 77, 78
Two months in the southern Catskills, 2, 294
Tylopilus felleus, 50
Tyromyces chioneus, 49; lacteus, 49; semipileatus, 49; semisupinus, 49; Spraguei, 49

United States, Early horticultural journalism in the, 8, 79
Uredinales of Cuba, 2, 97
Uredo, 98, 99, 107, 108, 163, 164, 167; Adenocalymnatis, 155; Aeschynomenis, 112; Anthephorae, 137; Arachidis, 167; Artocarpi, 164; bauhiniicola, 167; Cabreriana, 167; Cephalanthi, 170; Cherimoliae, 166; Coccolobae, 164; concors, 112; cristata, 131, 132; cuticulosa, 156; Dalbergiae, 125; Desmodii-tortuosa, 129, 130; Dioscoreae, 165, 166; Erythroxylonis, 168; Fici, 112; ficicola, 112; ficina, 112; Fuirenae, 165; gemmata, 133; Gossypii, 113; Gouaniae, 146; Gymnogrammes, 164; gynandrearum, 166; Hibisci, 113; Hymenaeae, 167; ignobilis, 126; jatrophicola, 164; Lucumae, 169; malvicola, 113; moricola, 112; nigropunctata, 166; notata, 114; Operculinae, 169; paspalicola, 165; proximella, 170; Sapotae, 169; Saviae, 168; Sissoo, 124, 125; Stevensiana, 165; striolata, 142; superior, 165; Vignae, 112; Zorniae, 143
Uromyces, 107, 108, 132, 166, 167; appendiculatus, 105, 129; bidenticola, 134; Bidentis, 135; Celosiae, 127; columbianus, 135; Commelinae, 127; cristatus, 108; Cupaniae, 131; Dolicholi, 129; dolichosporus, 134; Eragrostidis, 126; Euphorbiae, 131; gemmatus, 105, 133, 145; Hedysari-paniculati, 129; Hellerianus, 134; Howei, 133; ignobilis, 126; insularis, 128; jamaicensis, 128; Janiphae, 130; leptodermus, 125; Lucumae, 169; major, 126; Medicaginis, 128; Medicaginis-falcatae, 128; Neurocarpi, 128; proeminens, 106, 131; Puerariae, 56; Rhyncosporae, 126; Scirpi, 149; Scleriae, 127, solidus, 129

Uromycladium, 108, 119; cubense, 119
Uropyxis, 107, 121, 122, 169
Utricularia, 55

Vaccinium corymbosum, 277
Vachellia Farnesiana, 117
Vaginata agglutinata, 50; plumbea, 50
Valerianodes jamaicensis, 153
Vallesia, 95
Vegetation of Montauk, Long Island, The, 9
Vegetation of the Hempstead Plains, The, 9, 262
Venenarius cothurnatus, 50; Frostianus, 50; muscarius, 50; phalloides, 50; rubens, 50
Verbena hastata, 479
Vernonia menthaefolia, 157; noveboracensis, 277
Viburnum alnifolium, 298; dentatum, 277; odoratissimum, 60
Vigna, 129; repens, 129; vexillata, 129
Viguiera helianthoides, 158
Viola fimbriatula, 274; lanceolata, 275, 278; pedata, 274, 280, 283; primulifolia, 277
Viscum, 95
Vitis vinifera, 111
Vittaria elongata, 96
Volvaria gloiocephala, 179; speciosa, 179

Warren, P. A., A. F. Blakeslee and. Parthenocarpy in cucumbers, 9
Weather conditions and crop diseases in Texas, 9, 74
White, O. E. Inheritance of height in peas, 9; Inheritance studies in Pisum III. The inheritance of height in peas, 316
Wiesnerella, 91
Wikstroemia, 95
Wilkesia, 93
Wissadula periplocifolia, 147
Wyeth and Mr. Thomas Nuttall from the Mississippi River to the Columbia River in 1834, The route taken by Capt. Nathaniel J., 8

Xanthium, 139, 157; longirostre, 156, 157; saccharatum, 157
Xenoglossa pruinosa, 480
Xylaria Hypoxylon, 48; polymorpha, 48
Xylocopa, 480; virginica, 480
Xyris, 278

Zea Mays, 139
Zinc sulphate on the growth of Aspergillus niger, Some factors influencing the stimulative action of, 2, 287
Zornia diphylla, 143